**AMENDMENT TRANSMITTAL LETTER**Docket No.
IIW-016Application No.
10/056720-Conf. #2117Filing Date
January 24, 2002Examiner
S. N. Tsang FosterArt Unit
1745Applicant(s): Tomoki KOBAYASHI *et al.*

Invention: APPARATUS, MECHANISM AND PROCESS FOR WARMING-UP FUEL CELL

TO THE COMMISSIONER FOR PATENTS


Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	18	- 20 =		x	0.00
Independent Claims	3	- 3 =		x	0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): Extension for response within third month					950.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					950.00

☒ Large Entity☐ Small Entity.☐ No additional fee is required for this amendment.☒ Please charge Deposit Account No. 12-0080 in the amount of \$ 950.00.

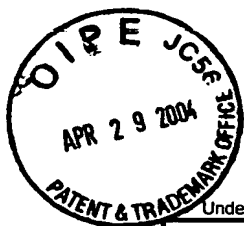
A duplicate copy of this sheet is enclosed.

☐ A check in the amount of \$ _____ to cover the filing fee is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge and credit Deposit Account No. 12-0080 as described below. A duplicate copy of this sheet is enclosed.☒ Credit any overpayment.☒ Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.
Anthony A. Laurentano
Attorney Reg. No.: 38,220Dated: April 29, 2004LAHIVE & COCKFIELD, LLP
28 State Street
Boston, Massachusetts 02109
(617) 227-7400

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV378821069US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: April 29, 2004

Signature:  (Anthony A. Laurentano)



PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 950.00

Complete if Known

Application Number	10/056720-Conf. #2117
Filing Date	January 24, 2002
First Named Inventor	Tomoki KOBAYASHI
Examiner Name	S. N. Tsang Foster
Art Unit	1745
Attorney Docket No.	IIW-016

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number

12-0080

Deposit
Account
Name

Lahive & Cockfield, LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
18	-20** =		0.00
Independent Claims	3	-3** =	0.00
Multiple Dependent			

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater, For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	950.00
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 950.00

SUBMITTED BY

Name (Print/Type) Anthony A. Laurentano

Registration No.
(Attorney/Agent)

38,220

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Telephone (617) 227-7400

Signature

Anthony A. Laurentano

Date

April 29, 2004

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Dated: April 29, 2004

Signature:

Anthony A. Laurentano

(Anthony A. Laurentano)

5-3-04 41 1745 \$

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Dated: April 29, 2004

Signature:

(Anthony A. Lauretano)

Docket No.: IIW-016
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:
Tomoki Kobayashi *et al.*

Application No.: 10/056720

Art Unit: 1745

Filed: January 24, 2002

Examiner: S. N. Tsang Foster

For: APPARATUS, MECHANISM AND PROCESS
FOR WARMING-UP FUEL CELL

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated October 30, 2003 (Paper No. 3), the response period of which is extended to April 30, 2004 by the accompanying Request for Extension of Time, please amend the above-identified U.S. patent application as follows:

Amendments to the Specification begin on page 2 of this paper, and include both a clean version and a marked-up version of a substitute specification.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Amendments to the Drawings begin on page 7 of this paper and include both attached replacement sheets and annotated sheets showing changes.

Amendments to the Abstract begin on page 8 of this paper.

Remarks/Arguments begin on page 9 of this paper.

Appendices A-G are attached following page 14 of this paper. **Appendix A** includes a clean version of the substitute specification. **Appendix B** includes a redline version of the substitute specification showing changes made. **Appendix C** includes a clean version of amended drawing Figures 3, 9 and 12. **Appendix D** includes a redline version of the amended drawing showing changes made. **Appendix E** includes a document reciting the well-known pressure range and definition for high-pressure gas. The document of Appendix E includes an English translation of text obtained from the Japanese website for the Engineering Advancement Association for Japan, at www.ena.or.jp. **Appendix F** is a certified English translation of the priority document (JP 2001-016523) for the present application. **Appendix G** is an English translation of the JP 60-68 reference.